Modification procedure AE 5080 / 5280 FM CEPT from FM only into AM/FM

Albrecht 40 CH FM CB radios AE 5080 FM and AE 5280 FM, which have already a function key (F") key instead of the conventional AM/FM switch on the front panel, can be easily converted to AM/FM by soldering jumpers on the front panel PCB.

Procedure AE 5280 and 5080 FM versions:

Open loudspeaker side of cabinet.

AE 5080 FM:

On the soldering side of the front panel board You will find solder jumper fields, named A/F, CH 19, 24, 25, and 26. These points are located just besides the volume switch and easy to find.

delete the solder connection across the CH 19 field and solder a new connection across the A/F field.
This will change the Function key from CH 19 into A/F, and then the front panel key F works again as AM/FM switch.

AE 5280 FM:

You will find soldering jumper fieldsA/F, CH 19, ME, CH9 just between CPU and the lower edge of the front panel board. These jumpers can modify the keys "F" and " MEMO".
For AM/FM, delete the solder bridge at the CH 19 field and solder a new bridge across the A/F field.

It is not possible to modify the output power in AM mode from 1 Watts to 4 Watts, because both models have no transformer for AM Modulation.

These modifications are only legal in countries which allow AM and FM on 40 Channels and where a valid approval has been obtained. In any case, the present approval sticker of the FM CEPT version must be replaced by the appropriate approval sticker for this country.

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Modification procedure AE 6080 FM from FM only into AM/FM

Albrecht 40 CH FM CB radio AE 6080 FM can be easily converted to AM/FM by exchanging resistors on the front panel PCB.

Procedure:

Disconnect power supply and open loudspeaker side of cabinet.

Modification FM only into AM/FM:

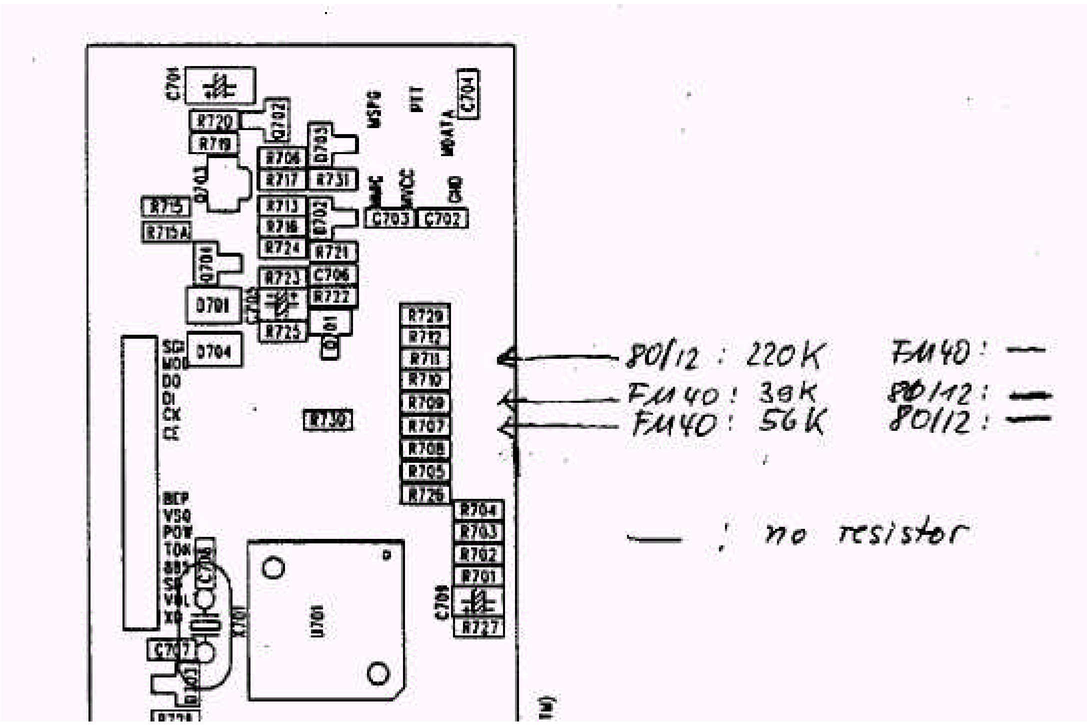
Delete resistor R 707 (56 k) This modification allows AM/FM instead of FM only.

Frequency range (40 channels) is not changed by this procedure.

If another frequency range is desired, further modification may be necessary according to following table:

40 /40	R 709	= 39 k
	R 711	not installed
80/12	R 709	not installed
	R 711	= 220 k
Extended CB	R 709	39 k
	R 711	100 k

The resistor positions can be found in one line between CPU and MIC socket on the front panel board.
The sequence is (counted from CPU to MIC socket position:



(R 726-R705-R708-**R707**-**R709**-R710-**R711**-R712-R729)

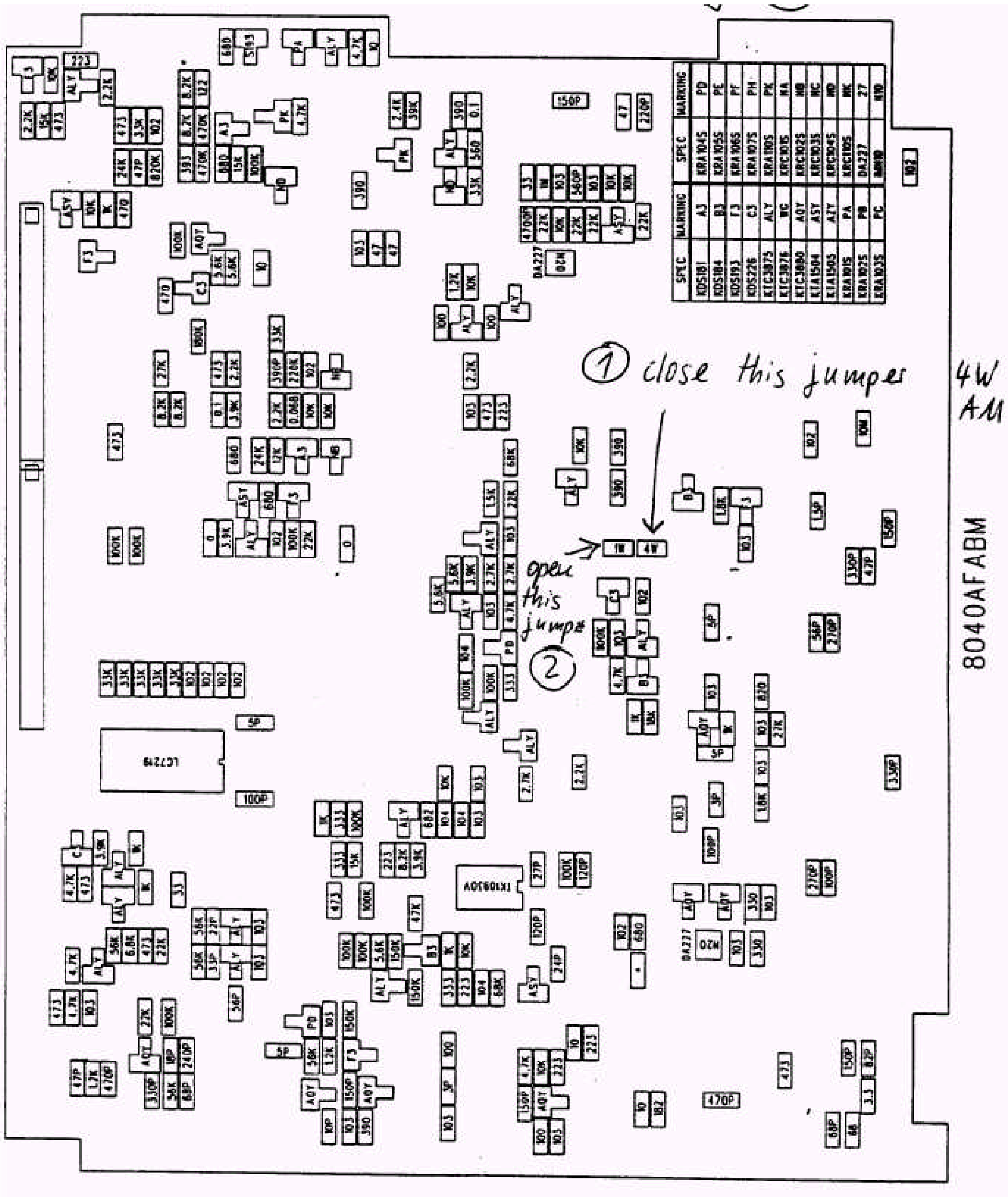
Output Power selection for AM

AE 6080 can produce 1 Watt AM or 4 Watts AM selectable because a modulation transformer is already factory-installed. There are 2 solder jumper fields on the soldering side of the main board (to be found near to Diode D 602 A / B)

AM 1 watt, FM 4 Watts: jumper 1 closed and jumper 2 open
AM 4 Watts and FM 4 watts: jumper 1 open and jumper 2 closed

It may be possible, depending on production, that the FM only version has both jumpers open as factory default value. If that is the case, please select the correct output power by soldering one of these jumper bridges.

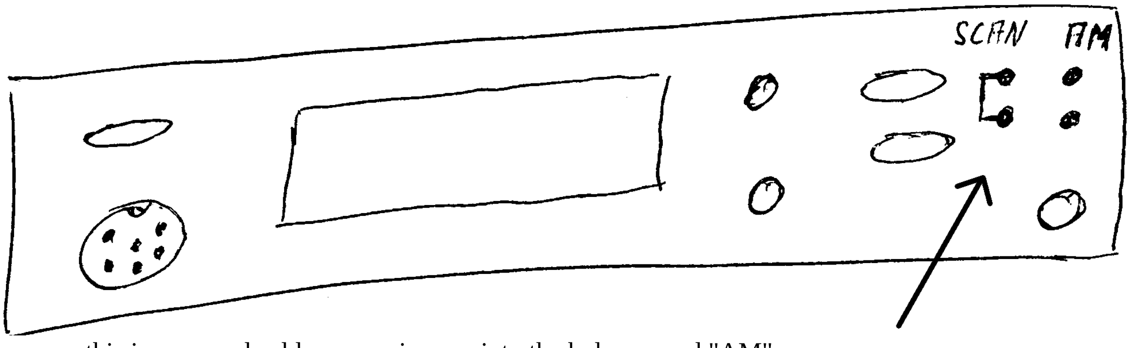
Note: All these modifications are only legal in countries which allow AM and FM on 40 Channels and where a valid approval has been obtained. In any case, the present approval sticker of the FM CEPT version must be replaced by the appropriate approval sticker for this country.



Modification AE 4144 FM from FM only into AM/FM

Disconnect power supply and open cabinet upper and lower parts.

On the front panel PCB You will find jumpers just besides the switches.
There is a jumper named "SCAN" , which is inserted in the FM only version.



Please open this jumper and solder a new jumper into the holes named "AM"

Note: This modification is only legal in countries which allow AM and FM on 40 Channels and where a valid approval has been obtained. In any case, the present approval sticker of the FM CEPT version must be replaced by the appropriate approval sticker for this country.

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